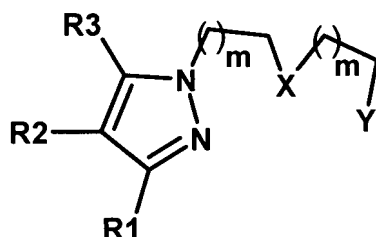


AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Previously Presented) Chelating agent of the general formula:



wherein m is 0 or 1;

X is NR_4 or S ;

Y is SR_5 , NHR_5 or $P(R_5)_2$;

R_1 and R_3 are the same or different and are selected from H, alkyl or aryl;

R_2 is $COOH$, NHR_6 or $(CH_2)_nCOOR_6$;

R_4 is H, alkyl, aryl, $(CH_2)_nCOOR_6$ or $(CH_2)_nOR_6$;

R_5 is H, alkyl, aryl, $(CH_2)_nCOOR_6$ or $(CH_2)_nOR_6$;

R_6 is H, a biomolecule, alkyl or aryl;

n is 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10.

2. (Original) Chelating agent as claimed in claim 1, wherein the alkyl is a C_1 alkyl, C_2 alkyl, C_3 alkyl, C_4 alkyl, C_5 alkyl or C_6 alkyl.

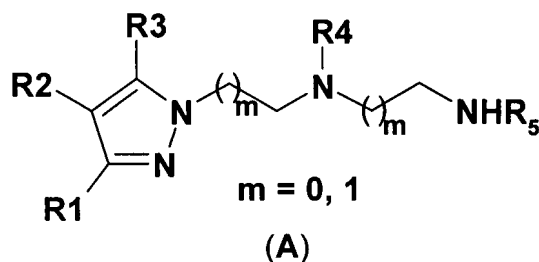
3. (Original) Chelating agent as claimed in claim 2, wherein the alkyl is methyl, ethyl, n -propyl, isopropyl, n -butyl, isobutyl, s -butyl, t -butyl, n -pentyl, isopentyl, neopentyl, n -hexyl, isohexyl (2-methylpentyl), neoheptyl (2,2-dimethylbutyl), 3-methylpentyl, 2,3-dimethylbutyl.

4. (Previously Presented) Chelating agent as claimed in claim 1, wherein the aryl is monocyclic or polycyclic, C₁₀-C₁₈, and optionally substituted with one or more groups selected from alkyl, carboxy, oxo, amino, alkoxy and aldehyde.

5. (Previously Presented) Chelating agent as claimed in claim 4, wherein the aryl is phenyl or benzyl.

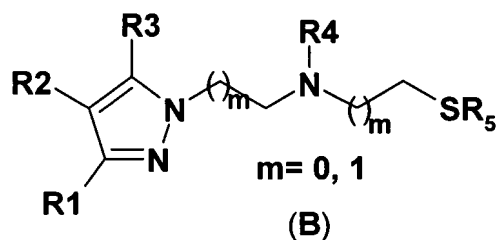
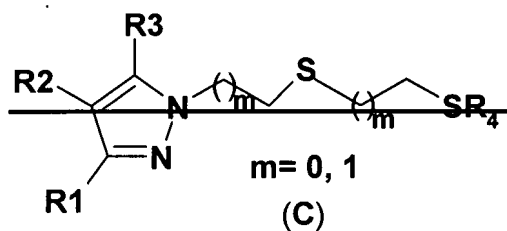
6. (Previously Presented) Chelating agent as claimed in claim 1, wherein n is 2, 3, 4, 5 or 6.

7. (Original) Chelating agent as claimed in claim 1, which agent is a pyrazolyl-polyamine of the general formula:



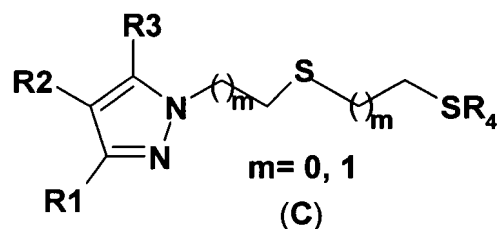
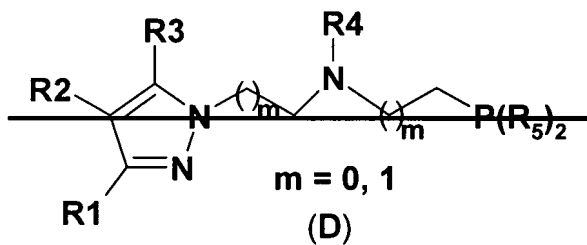
wherein R₁, R₂, R₃, R₄ and R₅ are as defined in claim 1.

8. (Currently Amended) Chelating agent as claimed in claim 1, which agent is a pyrazolyl-aminothioether of the general formula:



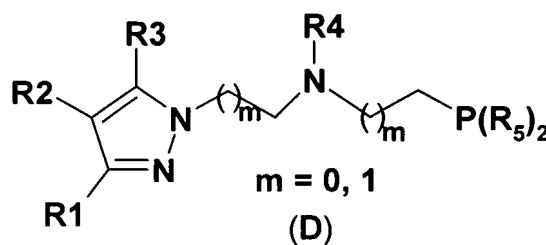
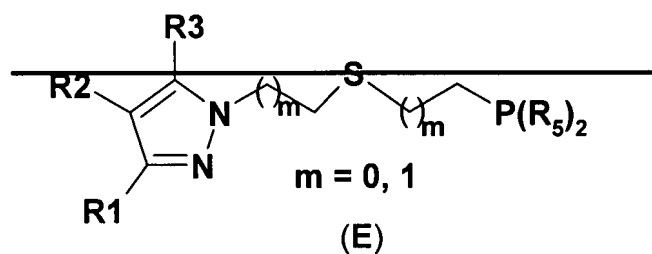
wherein R_1 , R_2 , R_3 , R_4 and R_5 are as defined in claim 1.

9. (Currently Amended) Chelating agent as claimed in claim 1, which agent is a pyrazolyl-polythioether of the general formula:



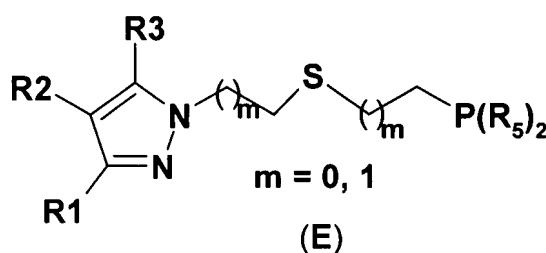
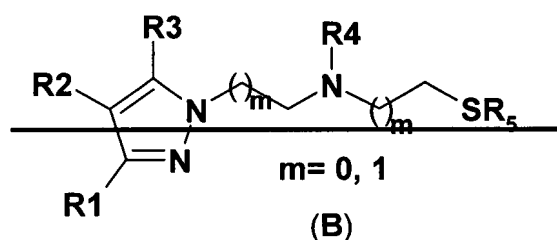
wherein R_1 , R_2 , R_3 , R_4 and R_5 are as defined in claim 1.

10. (Currently Amended) Chelating agent as claimed in claim 1, which agent is a pyrazolyl-aminophosphine of the general formula:



wherein R_1 , R_2 , R_3 , R_4 and R_5 are as defined in claim 1.

11. (Currently Amended) Chelating agent as claimed in claim 1, which agent is a pyrazolyl-thioetherphosphine of the general formula:



wherein R_1 , R_2 , R_3 , R_4 and R_5 are as defined in claim 1.

12. (Previously Presented) Chelating agent as claimed in claim 1, wherein X and Y are N, R_6 is H, C_1 alkyl, C_2 alkyl, C_3 alkyl, C_4 alkyl, C_5 alkyl or C_6 alkyl, phenyl, benzyl or a biomolecule.

13. (Previously Presented) Chelating agent as claimed in claim 1, wherein X and Y are S, R_6 is H, C_1 alkyl, C_2 alkyl, C_3 alkyl, C_4 alkyl, C_5 alkyl or C_6 alkyl, phenyl, benzyl or a biomolecule.

14. (Previously Presented) Chelating agent as claimed in claim 1, wherein X is N, Y is S, R_6 is H, C_1 alkyl, C_2 alkyl, C_3 alkyl, C_4 alkyl, C_5 alkyl or C_6 alkyl, phenyl, benzyl or a biomolecule.

15. (Previously Presented) Chelating agent as claimed in claim 1, wherein X is S, Y is N, R_6 is H, C_1 alkyl, C_2 alkyl, C_3 alkyl, C_4 alkyl, C_5 alkyl or C_6 alkyl, phenyl, benzyl or a biomolecule.

16. (Previously Presented) Chelating agent as claimed in claim 1, wherein X is S, Y is $P(R_5)_2$, R_6 is H, C_1 alkyl, C_2 alkyl, C_3 alkyl, C_4 alkyl, C_5 alkyl or C_6 alkyl, phenyl, benzyl or a biomolecule.

17. (Previously Presented) Chelating agent as claimed in claim 1, wherein X is N, Y is $P(R_5)_2$, R_6 is H, C_1 alkyl, C_2 alkyl, C_3 alkyl, C_4 alkyl, C_5 alkyl or C_6 alkyl, phenyl, benzyl or a biomolecule.

18. (Original) Chelating agent as claimed in claim 1, wherein R_6 is a biomolecule.

19. (Previously Presented) Chelating agent as claimed in claim 18, wherein the biomolecule is selected from amino acids, peptides, proteins, oligonucleotides, polynucleotides, and sugars.

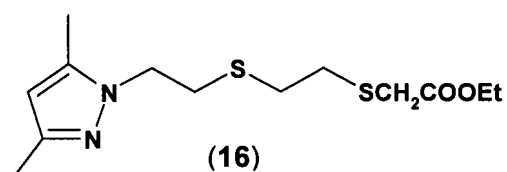
20. (Previously Presented) Chelating agent as claimed in claim 19, wherein the biomolecule is selected from the group consisting of antibodies and ligands of tumor receptors.

21. (Original) Chelating agent as claimed in claim 19, wherein the biomolecule is selected from the group consisting of CCK, thioglucose, glucosamine, somatostatin, neurotensin, bombesin, annexin, interleukins, growth factors, steroid hormones and molecules binding to GPIIb/IIIa receptors.

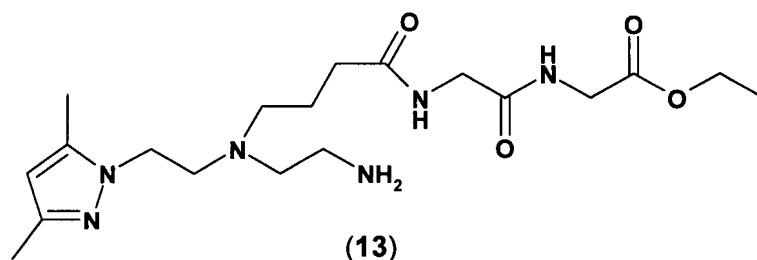
22. (Previously Presented) Chelating agent as claimed in claim 19, wherein the biomolecule is selected from the group consisting of glucose, thioglucose, and neurotransmitters.

23. (Previously Presented) Chelating agent as claimed in claim 19, wherein the biomolecule is an inhibitor of the tyrosine kinase activity.

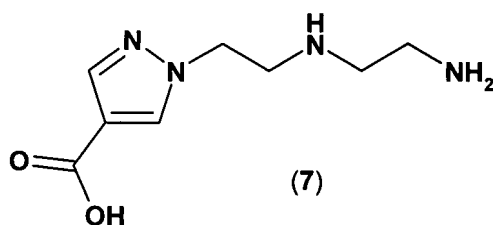
24. (Original) Chelating agent as claimed in claim 1, which agent is a compound of the following formula:



25. (Original) Chelating agent as claimed in claim 1, which agent is a compound of the following formula:

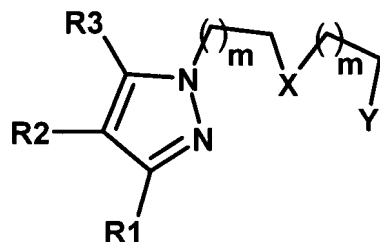


26. (Original) Chelating agent as claimed in claim 1, which agent is a compound of the following formula:



27 – 35. (Cancelled)

36. (Previously Presented) Chelating agent of the general formula:



wherein m is 0 or 1;

X is NR_4 or S ;

Y is SR_5 , NHR_5 or $P(R_5)_2$;

R_1 and R_3 are the same or different and are selected from H , alkyl or aryl;

R_2 is H , $COOH$, NHR_6 or $(CH_2)_nCOOR_6$;

R_4 is H , alkyl, aryl, $(CH_2)_nCOOR_6$ or $(CH_2)_nOR_6$;

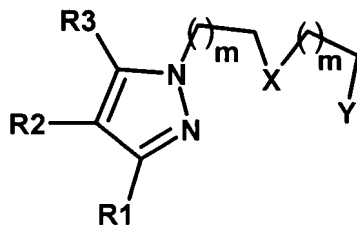
R_5 is H , alkyl, aryl, $(CH_2)_nCOOR_6$ or $(CH_2)_nOR_6$;

R_6 is H , a biomolecule, alkyl or aryl;

n is 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10,

wherein at least one of R_1 , R_3 , R_4 , R_5 , and R_6 is phenyl or benzyl.

37. (Previously Presented) Chelating agent of the general formula:



wherein m is 0 or 1;

X is NR_4 or S ;

Y is $P(R_5)_2$;

R_1 and R_3 are the same or different and are selected from H, alkyl or aryl;

R_2 is H, COOH, NHR_6 or $(CH_2)_nCOOR_6$;

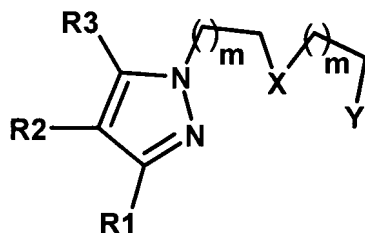
R_4 is H, alkyl, aryl, $(CH_2)_nCOOR_6$ or $(CH_2)_nOR_6$;

R_5 is H, alkyl, aryl, $(CH_2)_nCOOR_6$ or $(CH_2)_nOR_6$

R_6 is H, a biomolecule, alkyl or aryl;

n is 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10.

38. (Previously Presented) Chelating agent of the general formula:



wherein m is 0 or 1;

X is NR_4 or S ;

Y is SR_5 , NHR_5 or $P(R_5)_2$;

R_1 and R_3 are the same or different and are selected from H, alkyl or aryl,

wherein at least one of R_1 and R_3 is aryl;

R_2 is H, COOH, NHR_6 or $(CH_2)_nCOOR_6$;

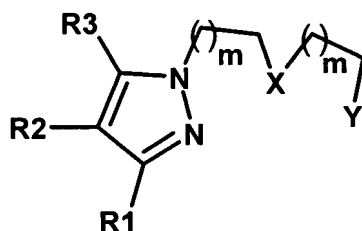
R_4 is H, alkyl, aryl, $(CH_2)_nCOOR_6$ or $(CH_2)_nOR_6$;

R_5 is H, alkyl, aryl, $(CH_2)_nCOOR_6$ or $(CH_2)_nOR_6$

R_6 is H, a biomolecule, alkyl or aryl;

n is 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10.

39. (Previously Presented) Chelating agent of the general formula:



wherein m is 0 or 1;

X is NR_4 ;

Y is SR_5 , NHR_5 or $\text{P}(\text{R}_5)_2$;

R_1 and R_3 are the same or different and are selected from H, alkyl or aryl;

R_2 is H, COOH , NHR_6 or $(\text{CH}_2)_n\text{COOR}_6$;

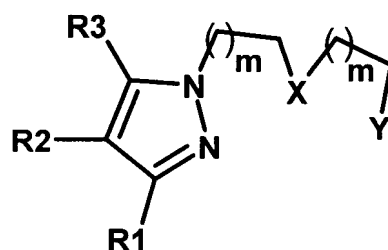
R_4 is aryl, $(\text{CH}_2)_n\text{COOR}_6$ or $(\text{CH}_2)_n\text{OR}_6$;

R_5 is H, alkyl, aryl, $(\text{CH}_2)_n\text{COOR}_6$ or $(\text{CH}_2)_n\text{OR}_6$

R_6 is H, a biomolecule, alkyl or aryl;

n is 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10.

40. (Previously Presented) Chelating agent of the general formula:



wherein m is 0 or 1;

X is NR_4 or S;

Y is SR_5 , NHR_5 or $\text{P}(\text{R}_5)_2$;

R_1 and R_3 are the same or different and are selected from H, alkyl or aryl;

R_2 is H, COOH , NHR_6 or $(\text{CH}_2)_n\text{COOR}_6$;

R_4 is H, alkyl, aryl, $(\text{CH}_2)_n\text{COOR}_6$ or $(\text{CH}_2)_n\text{OR}_6$;

R_5 is $(\text{CH}_2)_n\text{COOR}_6$ or $(\text{CH}_2)_n\text{OR}_6$

R_6 is H, a biomolecule, alkyl or aryl;
n is 1, 2, 3, 4, 5, 6, 7, 8, 9 or 10.